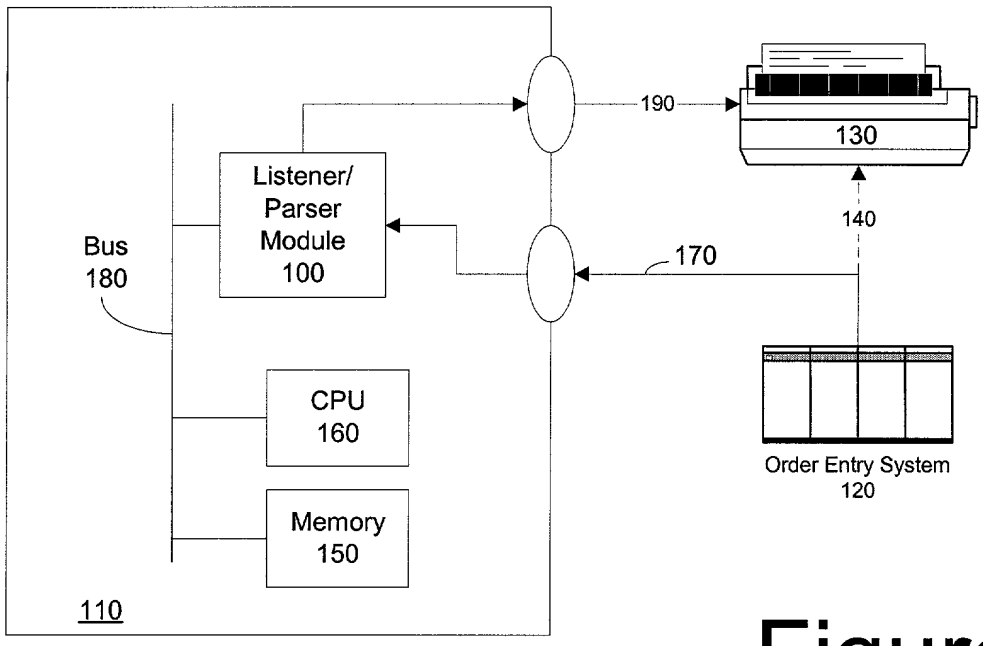


Figure 1

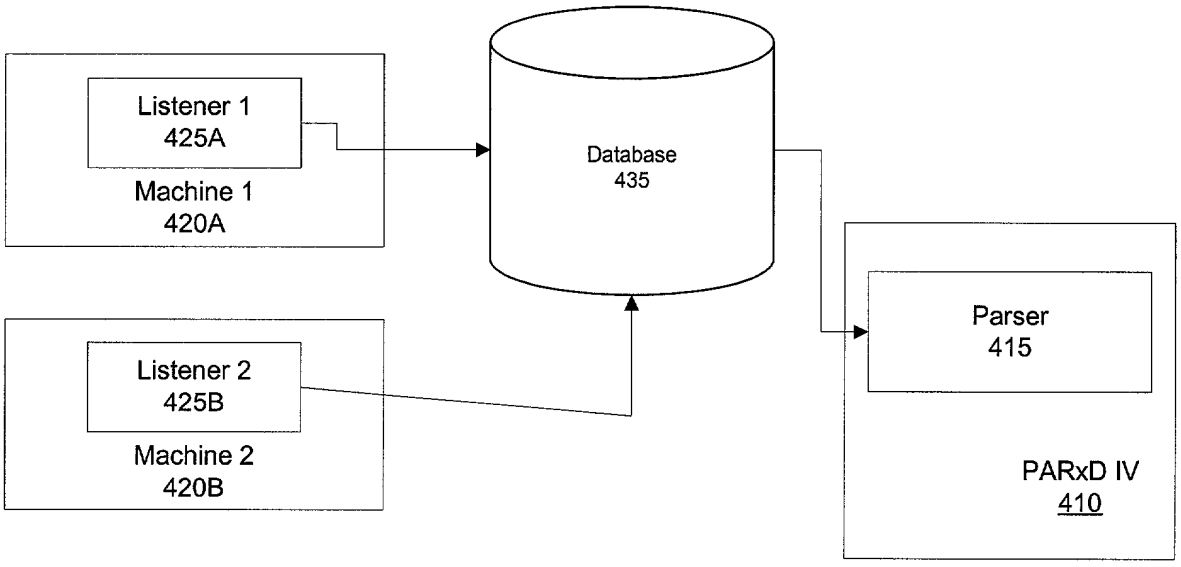


Figure 4

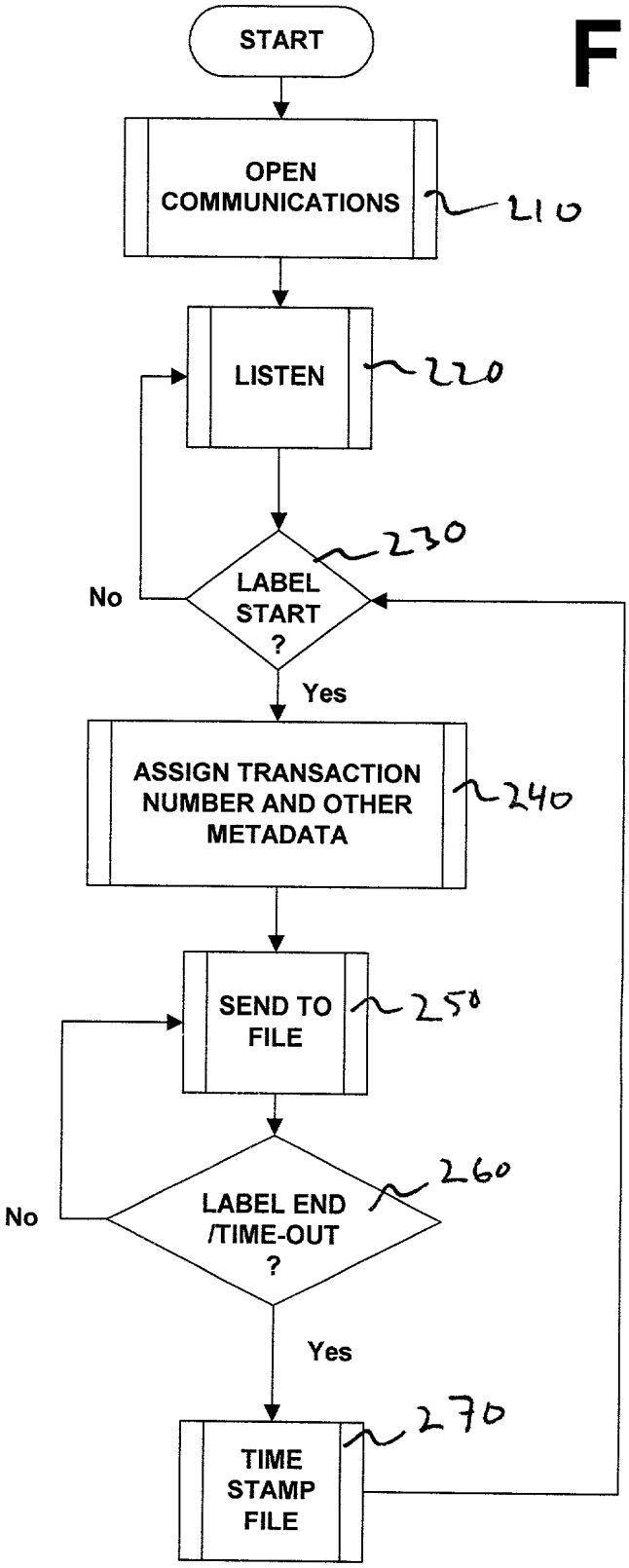
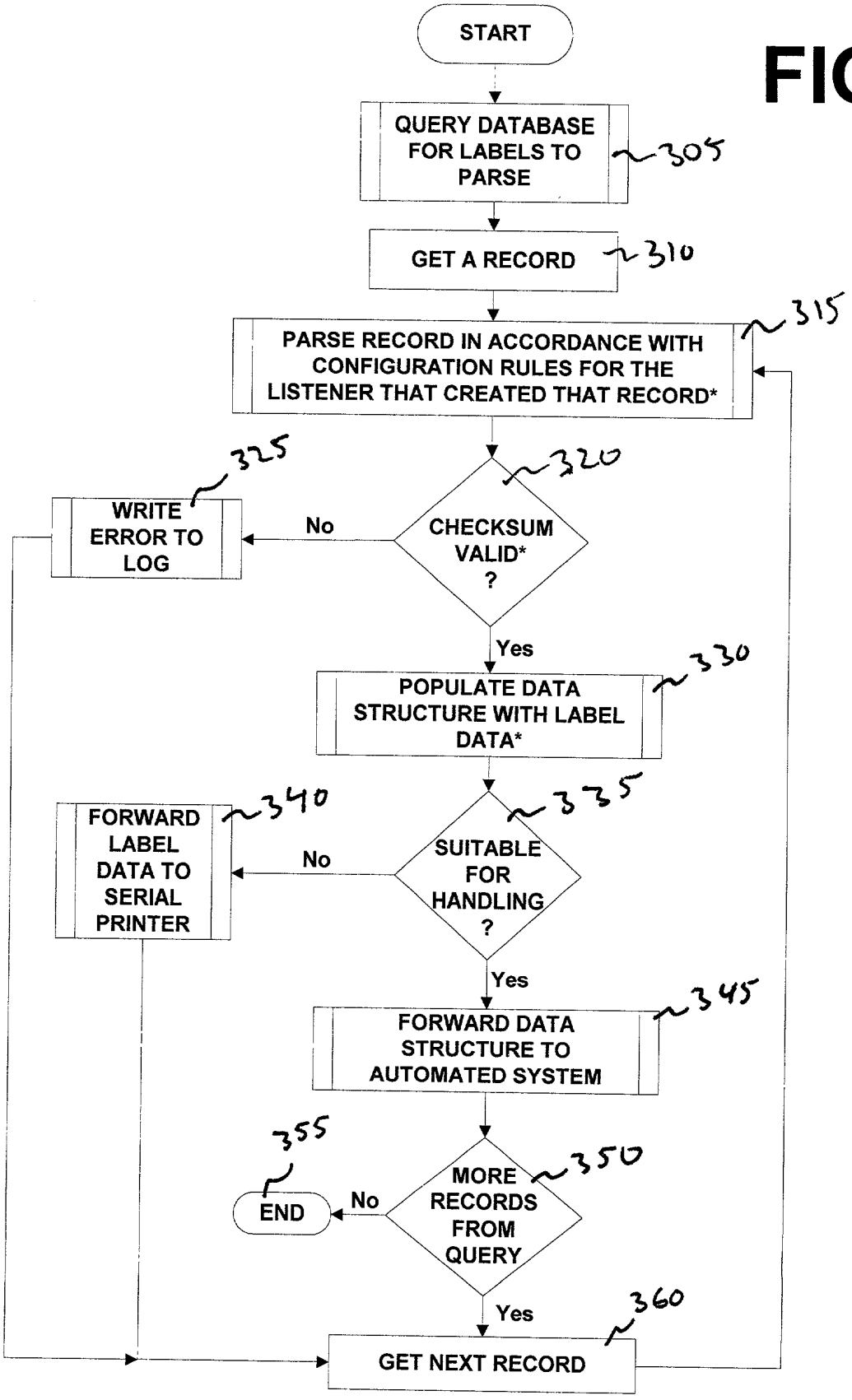

START
OPEN COMMUNICATIONS
210
LISTEN
220
230
LABEL START ?
No
Yes
ASSIGN TRANSACTION NUMBER AND OTHER METADATA
240
SEND TO FILE
250
LABEL END /TIME-OUT ?
260
No
Yes
TIME STAMP FILE
270

FIG. 2

FIG. 3


START
QUERY DATABASE FOR LABELS TO PARSE
305
GET A RECORD
310
PARSE RECORD IN ACCORDANCE WITH CONFIGURATION RULES FOR THE LISTENER THAT CREATED THAT RECORD*
315
CHECKSUM VALID* ?
320
No
WRITE ERROR TO LOG
325
Yes
POPULATE DATA STRUCTURE WITH LABEL DATA*
330
SUITABLE FOR HANDLING ?
335
No
FORWARD LABEL DATA TO SERIAL PRINTER
340
Yes
FORWARD DATA STRUCTURE TO AUTOMATED SYSTEM
345
MORE RECORDS FROM QUERY
350
No
END
355
Yes
GET NEXT RECORD
360